

Appendix II

City of Ottawa Drinking Water Systems 2025

Regulatory requirements and compliance with Safe Drinking Water Act (2002)

Drinking water systems: Lemieux Island WPP; Britannia WPP and Central Distribution System; Carp Well System; Munster Well System; Kings Park Well System; Richmond West Well System; Shadow Ridge Well System; Vars Well System

Source Water: Ottawa River & various groundwater sources for municipal well systems

Date of report: March 31st, 2026

Description	Legislation	Regulatory Requirement	Britannia WPP	Lemieux Island WPP	Carp Well	Munster Well	Kings Park Well	Richmond West Well	Shadow Ridge Well	Vars Well
Water Treatment										
Raw (river/well) water taking	PTTW	Raw water flow must be <PTTW	✓	✓	✓	✓	✓	✓	✓	✓
Raw (river/well) water taking	PTTW	Daily raw water taking flow rates for previous year must be submitted to MECP by March 31	✓	✓	✓	✓	✓	✓	✓	✓
Treated water production	MDWL Sch.(C) 1.0	Treated water flow must be <MDWL	✓	✓	✓	✓	✓	✓	✓	✓
Treatment barriers	O.Reg.170/03 Sch.1.4	Treatment must include chemically assisted filtration for surface water systems	✓	✓	n/a	n/a	n/a	n/a	n/a	n/a

Description	Legislation	Regulatory Requirement	Britannia WPP	Lemieux Island WPP	Carp Well	Munster Well	Kings Park Well	Richmond West Well	Shadow Ridge Well	Vars Well
Alterations to the system	DWWP Sch.B 4.0	Any alteration of the treatment system must be documented in Forms 2/3 – Record of Minor Modification, retained on-site for 10 years	✓	✓	✓	✓	✓	✓	✓	✓
Alterations to the system	DWWP Sch.B 4.0	Any alteration of the water mains must be documented in Form 1 – Record of Water Mains Authorized as a Future Alteration, retained on-site for 10 years	✓	✓	✓	✓	✓	✓	✓	✓

Notes for items of non-compliance:

1. Operating without a license: One of our operators was checking the free chlorine of our temporary drinking fountains as a monitoring technique to ensure proper levels without having a valid license. We will be tightening up our processes and procedures for future years to ensure any sampling is conducted by a certified operator.

Regulations, Licenses, & Permits:

MDWL – Municipal Drinking Water License
 DWWP – Drinking Water Works Permit
 PTTW – Permit To Take Water
 O.Reg.170/03 – Drinking Water Systems Regulation
 O.Reg.169/03 – Ontario Drinking Water Quality Standards
 O.Reg.248/03 – Drinking Water Testing Services
 O.Reg.128/04 – Certification of Drinking Water Systems Operators
 O.Reg.188/07 – Licensing of Municipal Drinking Water systems
 O.Reg.170/03 (Appendix) – Procedure for Disinfection of Drinking Water in Ontario
 O.Reg.170/03 (Sch.15.1) – Community Lead Testing Program
 AWWA – American Water Works Association

Glossary:

NOTE: water quality testing refers to treated_water samples unless otherwise stated

ML/d = mega-Litres per day = million Litres per day

WPP = Water Purification Plant

TC = Total Coliform bacteria, units of (cfu/100mL)

EC = E.coli bacteria, units of (cfu/100mL)

HPC = Heterotrophic Plate Count bacteria, units of (cfu/mL)

PS = Pump Station

MAC = maximum acceptable concentration for Ontario Drinking Water Standards

MOH = Medical Officer of Health

MECP = Ministry of the Environment, Conservation, and Parks

n/a=not applicable for that system